Laboratory Report — Caro Analytical Services

Report For:	City of Prince George
Received:	09/23/2020 09:43
Report ID:	0041742
Report Name:	0041742_FINAL_WaterTrax_22_Sep_20_1632.txt

Sample ID:	**0041742-01**
Water System:	Core Water System
Source:	PW 605 Well
Facility:	PW 605 Well Pumphouse
Sampling Pt:	PW 605 Pumphouse treated water (PW605-2-EP, DBC0)
Comment:	Generated by File Transfer
Sampled:	04/22/2020 14:00

INORGANIC			Criteria & Type		Status
Aluminum (dissolved)	< 0.0050	mg/L			Final
Aluminum (total)	< 0.0050	mg/L	<=0.1	Operational - Conventional	Final
Ammonia (total, as N)	< 0.050	mg/L			Final
Antimony (dissolved)	< 0.00020	mg/L			Final
Antimony (total)	0.00022	mg/L	<=0.006	MAC	Final
Arsenic (dissolved)	0.00050	mg/L			Final
Arsenic (total)	0.00065	mg/L		Current Level	Final
Barium (dissolved)	0.0191	mg/L			Final
Barium (total)	0.0215	mg/L	<=2	MAC	Final
Beryllium (dissolved)	< 0.00010	mg/L			Final
Beryllium (total)	< 0.00010	mg/L			Final
Bismuth (dissolved)	< 0.00010	mg/L			Final
Bismuth (total)	< 0.00010	mg/L			Final
Boron (dissolved)	0.0237	mg/L			Final
Boron (total)	0.0129	mg/L	<=5	MAC	Final
Bromide	< 0.10	mg/L			Final
Cadmium (dissolved)	0.000012	mg/L			Final
Cadmium (total)	0.000012	mg/L	<=0.005	MAC	Final
Calcium (dissolved)	21.2	mg/L			Final
Calcium (total)	22.8	mg/L			Final
Chloride	5.45	mg/L	<=250	AO	Final
Chromium (extractable)	< 0.00050	mg/L			Final
Chromium (total)	< 0.00050	mg/L	<=0.05	MAC	Final
Cobalt (dissolved)	< 0.00010	mg/L			Final
Cobalt (total)	< 0.00010	mg/L			Final
Copper (extractable)	0.00532	mg/L			Final
Copper (total)	0.00741	mg/L	<=1	AO	Final
Fluoride	< 0.10	mg/L	<=1.5	MAC	Final
Iron (dissolved)	< 0.010	mg/L			Final
Iron (total)	0.010	mg/L	<=0.3	AO	Final
Lead (dissolved)	< 0.00020	mg/L			Final

Sample ID: **0041742-01 (continued)**
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Facility: PW 605 Well Pumphouse
Sampling Pt: PW 605 Pumphouse treated water (PW605-2-EP, DBC0)
Comment: Generated by File Transfer
Sampled: 04/22/2020 14:00

INORGANIC			Criteria & Type		Status
Lead (total)	0.00022	mg/L	<=0.005	MAC	Final
Lithium (dissolved)	0.00080	mg/L			Final
Lithium (total)	0.00083	mg/L			Final
Magnesium (dissolved)	7.43	mg/L			Final
Magnesium (total)	7.80	mg/L			Final
Manganese (dissolved)	0.0137	mg/L			Final
Manganese (total)	0.0144	mg/L	<=0.02	AO	Final
Mercury (dissolved)	< 0.000010	mg/L			Final
Mercury (total)	< 0.000010	mg/L	<=0.001	MAC	Final
Molybdenum (dissolved)	0.00169	mg/L			Final
Molybdenum (total)	0.00181	mg/L			Final
Nickel (dissolved)	0.00092	mg/L			Final
Nickel (total)	0.00119	mg/L			Final
Nitrate (as N)	0.105	mg/L			Final
Nitrate + Nitrite (as N)	0.105	mg/L			Final
Nitrite (as N)	< 0.010	mg/L			Final
o-Phosphate (as P)	< 0.0050	mg/L			Final
Phosphorus (total dissolved)	< 0.050	mg/L			Final
Phosphorus (total)	< 0.050	mg/L			Final
Potassium (dissolved)	1.07	mg/L			Final
Potassium (total)	1.15	mg/L			Final
Selenium (dissolved)	0.00117	mg/L			Final
Selenium (total)	0.00124	mg/L	<=0.05	MAC	Final
Silicon (dissolved, as Si)	5.3	mg/L			Final
Silicon (total, as Si)	5.8	mg/L			Final
Silver (dissolved)	< 0.000050	mg/L			Final
Silver (total)	< 0.000050	mg/L			Final
Sodium (dissolved)	4.99	mg/L			Final
Sodium (total)	5.19	mg/L	<=200	AO	Final
Strontium (dissolved)	0.115	mg/L			Final
Strontium (total)	0.124	mg/L			Final
Sulfur (dissolved)	3.8	mg/L			Final
Sulfur (total)	3.4	mg/L			Final
Sulphate	7.7	mg/L	<=500	AO	Final
Tellurium (dissolved)	< 0.00050	mg/L			Final
Tellurium (total)	< 0.00050	mg/L			Final

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INORGANIC			Criteria & Type		Status
Thallium (dissolved)	< 0.000020	mg/L			Final
Thallium (total)	< 0.000020	mg/L			Final
Thorium (dissolved)	< 0.00010	mg/L			Final
Thorium (total)	< 0.00010	mg/L			Final
Tin (dissolved)	< 0.00020	mg/L			Final
Tin (total)	< 0.00020	mg/L			Final
Titanium (dissolved)	< 0.0050	mg/L			Final
Titanium (total)	< 0.0050	mg/L			Final
Tungsten (dissolved)	< 0.0010	mg/L			Final
Tungsten (total)	< 0.0010	mg/L			Final
Uranium (dissolved)	0.000188	mg/L			Final
Vanadium (dissolved)	< 0.0010	mg/L			Final
Vanadium (total)	< 0.0010	mg/L			Final
Zinc (dissolved)	0.0049	mg/L			Final
Zinc (total)	0.0070	mg/L	<=5	AO	Final
Zirconium (dissolved)	< 0.00010	mg/L			Final
Zirconium (total)	< 0.00010	mg/L			Final

MICROORGANISMS			Criteria & Type		Status
Escherichia coli / E. coli (counts)	< 1	CFU/100ml	<=0,OG	Microbiological standard	Final
Fecal (thermal tolerant) Coliforms (counts)	< 1	CFU/100ml	<=0	Microbiological Standard	Final
Total Coliforms (counts)	< 1	CFU/100ml	<=0,OG	User-Defined	Final

ORGANIC			Criteria & Type		Status
Adsorbable Organic Halides / AOX	207	ug/L			Final
Bromodichloromethane (dichlorobromomethane)	< 0.0010	mg/L	<=0.1	IMAC for TTHM expressed as a running annual average	Final
Bromoform	< 0.0010	mg/L	<=0.1	IMAC for TTHM expressed as a running annual average	Final
Chloroform	0.0048	mg/L	<=0.1	Standard for TTHM expressed as a running annual average	Final
Dibromochloromethane (Chlorodibromomethane)	< 0.0010	mg/L	<=0.1	IMAC for TTHM expressed as a running annual average	Final
Nitrogen (total)	0.173	mg/L			Final
Total Kjeldahl Nitrogen / TKN	0.068	mg/L			Final

Total Organic Carbon / TOC	2.24	mg/L	Final

Sample ID: **0041742-01 (continued)**

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ORGANIC			Criteria & Type		Status
Total Trihalomethanes / TTHM	0.00477	mg/L	<=0.1	IMAC based on running annual average	Final

PHYSICAL			Criteria & Type		Status
Alkalinity (bicarbonate, as CaCO3)	102	mg/L			Final
Alkalinity (carbonate, as CaCO3)	< 1.0	mg/L			Final
Alkalinity (hydroxide, as CaCO3)	< 1.0	mg/L			Final
Alkalinity (phenolphthalein, as CaCO3)	< 1.0	mg/L			Final
Alkalinity (total, as CaCO3)	102	mg/L			Final
Hardness (total, as CaCO3)	83.5	mg/L			Final
Total Suspended Solids / TSS	< 2.0	mg/L			Final

RADIONUCLIDES			Criteria & Type		Status
Uranium (total)	0.000207	mg/L	<=0.02	MAC	Final

Result Legend

P=present, A=absent, PR=presumptive, ND=non-detect, OR=over-range, OG=overgrown, Y=yes, N=no,

TNTC=too numerous to count, NR=no result, NT=not tested, IG=ignore, ER=external report, SC=see comment

< means less than lower detection limit shown

> means greater than upper detection limit shown

« means detected & less than number shown

» means detected & greater than number shown

**** Indicates Criteria is exceeded***